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of 1879

128. SUP[illegible]
Electric Body-Wear.

A.D. 1879. MARCH 29. Nº 1263.
VARLEY'S SPECIFICATION.

FIG. 7.

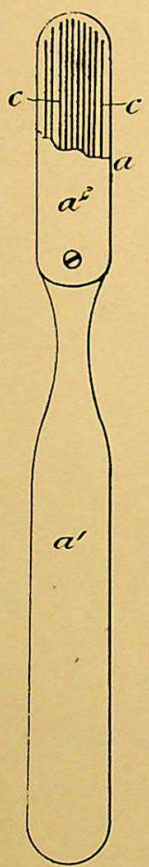


FIG. 8.

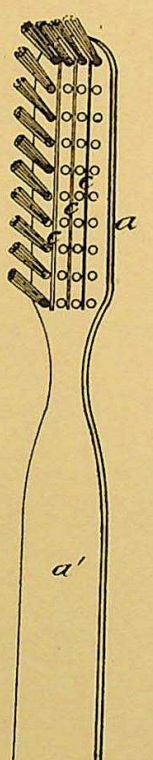


FIG. 9.

Malby & Sons, Photo-Litho

FIG. 1.

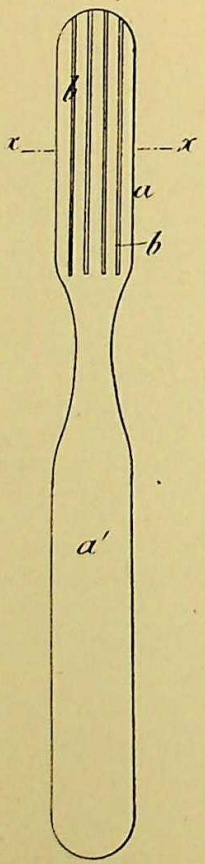


FIG. 3.

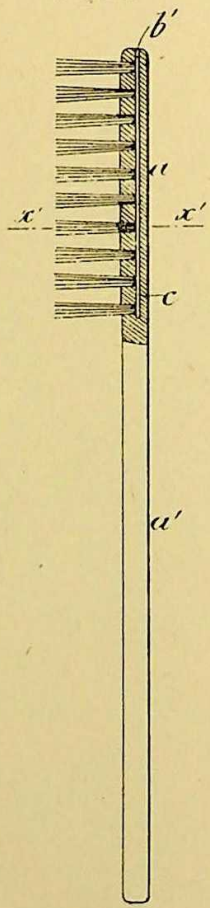


FIG. 5.

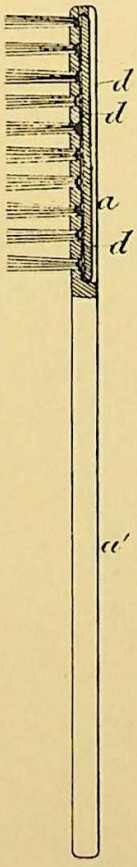


FIG. 6.

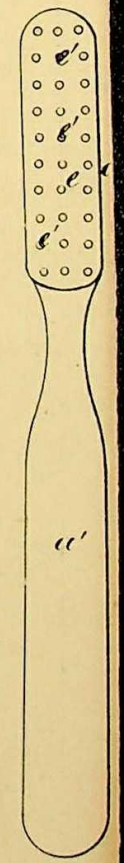


FIG. 2.

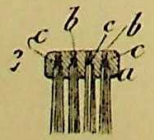
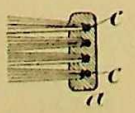


FIG. 4.



GB-1879-03

DIVISION 55

A.D. 1879, 29th MARCH. N° 1263.

174. ELECTRICITY, Medical and Surgical.

Tooth Brush.

LETTERS PATENT to John Varley, of Charterhouse Buildings, in the County of Middlesex, for the Invention of "AN IMPROVED TOOTH-BRUSH."

Sealed the 19th September 1879, and dated the 29th March 1879.

PROVISIONAL SPECIFICATION left by the said John Varley at the Office of the Commissioners of Patents on the 29th March 1879.

JOHN VARLEY, of Charterhouse Buildings, in the County of Middlesex. "AN IMPROVED TOOTH-BRUSH."

My Invention relates to an improved tooth-brush, in which one or more magnets or magnetized pieces of metal are embedded or placed in such a manner that the brush so made will be highly beneficial to the person who uses the same. The magnetic effect of a brush made according to my said Invention upon the teeth and gums is highly advantageous; it prevents and arrests decay in the teeth, strengthens the gums, and prevents and cures neuralgia, while at the same time the ordinary use of the brush is in no way impaired.

I carry the said Invention into practice as follows, that is to say:—I place in the back of the brush, namely, in the bone, ivory, horn, vulcanite, or other material of which the handle is made, one or more strips of iron or steel which have been previously magnetized, these strips being arranged above the bristles or brush, and to extend partly along the handle. I prefer to employ metal in the form of strips, for the reason that this form is most convenient for the purpose, moreover the said strips, in addition to their use for magnetizing purposes, serve to strengthen the brush. It is, however, to be understood that the magnets or magnetized metal may be of any other form suitable for the purpose of this Invention, which is to furnish the brush with means whereby a magnetic influence may be exercised on the teeth and gums of the person using the same. The said strips may be placed in the back or handle of the brush in any convenient manner.

I may use natural magnets in place of the artificial ones above described.

In tooth brushes having longitudinal grooves for facilitating the fastening of the bristles, the magnets or magnetic strips may be placed in such grooves, and the latter filled with wax or other material, as is usual. With brushes having solid backs the strips may be inserted in the apertures usually drilled in the bone or other material for inserting the wire which fastens the bristles. The magnets or magnetized strips or other pieces may, however, be fixed within the back of the brush in any other suitable manner.

SPECIFICATION in pursuance of the conditions of the Letters Patent filed by the said John Varley in the Great Seal Patent Office on the 29th September 1879.

JOHN VARLEY, of Charterhouse Buildings, in the County of Middlesex. "AN IMPROVED TOOTH-BRUSH."

My Invention relates to an improved tooth brush in which one or more magnets or magnetized pieces of metal are embedded or placed in such a manner that the brush so made will be highly beneficial to the person who uses the same.

A tooth brush made according to my Invention produces a highly advantageous magnetic effect upon the nerves, teeth, and gums of the person using the same. The said brush moreover prevents and arrests decay in the teeth, strengthens the gums, and prevents and cures neuralgia and tooth ache, while at the same time the ordinary use of the brush is in no way impaired.

In the accompanying Drawing,—

Figure 1 is a plan or top view of one form of a tooth brush constructed according to my Invention; and

Figure 2 is a transverse section of the same on the line x, x.

a is the back of the brush, and a^1 is the handle of the same. Within the grooves b which are usually formed in the back of such brushes for facilitating the fastening of the bristles, I arrange one or more strips, rods, or bars c of iron or steel, which have been previously magnetized (or they may be magnetized after being placed in the brush) the said strips being arranged above the bristles of the brush, as shewn. When the said strips have been placed within the grooves b, the latter are filled up with sealing wax or other suitable material in the ordinary manner; I prefer to employ metal in the form of strips, as this form is most convenient for the purpose, and the said strips serve moreover to strengthen the brush, as well as for magnetizing purposes, and they may in some cases extend partially along the handle of the said brush.

Instead of employing magnetized rods in the said grooves, I may in some instances produce the desired magnetic effect by magnetizing the "drawing in" wires which are ordinarily employed to secure the bristles within the back of a tooth-brush.

Figure 3 is a side elevation partly in section shewing another method of arranging the magnetic strips in the back of a tooth brush; and

Figure 4 is a transverse section of the same on the line x^1, x^1.

In this arrangement the magnetic strips or bars c are inserted into the holes b^1, which are ordinarily drilled in the back or stock a of a tooth brush of that class known as solid back brushes, to enable the bristles to be secured within the same, the said strips being arranged along the tops of the bristles, as shewn.

Figure 5 is a side elevation, partly in section, of a tooth brush, in which the wire d for securing the bristles in the back of the brush is magnetized, and thus effects the object of my Invention.

Figure 6 shews the application of a magnetized steel plate e, which is provided with holes e^1, punched or drilled through the same, and through which the bristles of the brush are passed and secured to the handle of the brush for the purpose of my Invention.

Figure 7 is a top view of another form of a tooth brush constructed according to this Invention, and with a portion of the same broken away. In this arrangement the said brush is provided with a false back a^2, between which and the bristles I arrange one or more bars of magnetized iron or steel, as shewn at c, for the purpose of my Invention.

In Figure 8 I have shewn another arrangement of the said magnetized strips or rods, that is to say, the said strips or rods are arranged between or amongst the rows of bristles, as shewn at c, and below the under surface of the back or stock of